

Notes:

- a. The purpose of this spreadsheet is to coordinate the scope of work that is GWP's, Unit 9 Separation Contractor's, Demolition (Demo) Contractor's and Balance-of-Site Engineer, Procure, Construct (BOS EPC) Contractors.
- b. This document is for informational purposes only. Contractors shall refer to their respective scope of work documents for their work scope.
- c. Work this spreadsheet with other project documents such as the Demolition and Underground Plans.
- d. Table color code:
 - i. Light green designates any work before demolition.
 - ii. Pink designates demolition work.
 - iii. White background designates BOS EPC scope.
 - iv. Purple designates items that have been determined to require no action.

Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
1	Natural and Landfill Gas					
1A	NG service to the Boilers and U8	North and South MSAs	Shutoff service	GWP (SoCalGas)	Prior to Demolition	
2	North SoCalGas Meter Station Assembly (MSA) serving Unit 9 (U9)	NE corner of plant; adjacent to Kellogg GIS	NONE	NA	NA	MSA has two meters – one for U9 and one for U8.
3	South SoCalGas MSA near U9	SE corner of Plant	Take meter station out of service, remove equipment, and blind-flange both ends.	GWP (SoCalGas)	Prior to Demolition	This MSA currently feeds the boilers.
3A	NG house line for the boilers	SE corner of Plant	After SoCalGas has removed their equipment, purge the house line.	Unit 9 Separation Contractor	Prior to Demolition	Line to be abandoned in place.
4	Reserved					

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
5	Landfill gas	Near meter station at SE corner of plant	Disconnect and purge at MSA into the plant.	Unit 9 Separation Contractor	Prior to Demolition	
6	North SoCalGas MSA serving Unit 8 A, B, C	NE corner of plant; adjacent to Kellogg GIS	Temporarily take meter out of service, and double block and bleed at the MSA or remove meter and blind flange for GWP to work on house line.	GWP (SoCalGas)	Prior to Demolition	MSA is above ground.
6A	NG house line for Units 8ABC	North MSA to Units 8ABC	After SoCalGas has taken meter out of service, purge house line.	Unit 9 Separation Contractor	Prior to Demolition	
7	NG house line for Units 8ABC	North MSA to Units 8ABC	Demolish the 12 inch where it runs into the demolition area.	Demo Contractor	Demolition Phase	The 12" line that feeds the Unit 8 ABC is on the north side of plant along the roadway then turns south on the west roadway
8	Old 4 Inch Boiler Gas Line	SE corner of site	Determine if this line was previously taken out of service	GWP (SoCalGas)	Prior to Demolition	Confirmed.
9	SoCalGas Flowrate Data	Control Room	Communication line from South & North MSA to be relocated temporarily, if necessary.	GWP (SoCalGas)	Prior to Demolition	
10	Air (Instr/Service)					
11	U9 compressed air system modifications	At Unit 9	Disconnect U9 from existing plant system, cap the plant side lines, and connect to temporary compressor.	Unit 9 Separation Contractor	Prior to Demolition	
12	Reserved.					

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
13	Ammonia					
14	U9 Ammonia Storage Tank	Existing	None	NA	NA	
15	U5/8 Ammonia Storage Tank	South of CT3	Rundown through usage	GWP	Prior to Demolition	
16	U5/8 Ammonia Storage Tank	South of CT3	Drain and dispose of remaining ammonia. Flush and remove ammonia storage tank and piping plus remove electrical, supports, and foundations.	Demo Contractor	Demolition Phase	
17	Chemical Treatment					
18	All Chemical Storage and Piping Except Unit 9	Various	Run down tanks through usage	GWP	Prior to Demolition	
19	All Chemical Storage and Piping Except Unit 9	Various	Drain and dispose of remaining fluid. Flush tanks and lines. Remove and dispose of tanks, storage, electrical and piping.	Demo Contractor	Demolition Phase	
20	Potable/Fire Water					
20A	Superintendent's building	South side and southeast side of building	Maintain service	NA	NA	The 8" line that runs along the north roadway has 2 services drops to the superintendents building.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
21	U9 service and fire water system modifications	Downstream of south side fire water line double check	Supply and install new traffic rated precast meter vault and aboveground horizontal reduced pressure zone backflow preventer; cut, cap, and tie in existing U9 service water line to existing fire water line. Meter and backflow preventer shall have contractor supplied and installed shutoff valves. GWP will supply and install service water meter and strainer.	Unit 9 Separation Contractor	Prior to Demolition	This is to be permanent installation.
21A	South fire main	Northwest of Unit 9 GSU transformer	Protect in place aboveground backflow preventer	Demo Contractor	Demolition Phase	
21B	North fire main	West of old Kellogg control house	Protect-in-place aboveground backflow preventer	NA	NA	Outside of demo area.
22	Fire Hydrant – Fairmont Ave.	On Fairmont Ave. across the U5 cooling tower	Extend existing fire main that ends near the NE corner of U5 cooling tower, around the U5 cooling tower and outside of the demolition area to intercept the existing 6" line that feeds this hydrant.	Unit 9 Separation Contractor	Prior to Demolition	

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
22A	Fire Hydrant – NW corner of plant	NE corner of the U5 cooling tower	Protect in place	Demo Contractor	Demolition Phase	
22B	Temporary Fire Hydrant – SW corner of plant	Adjacent to the south side of the U2 cooling tower	Intercept existing fire main and install new lateral with isolation valve and hydrant to the plant south fence	Unit 9 Separation Contractor	Prior to Demolition	
22C	Temporary Fire Hydrant – SW corner of plant	Southwest corner of the plant	Protect in place	Demo Contractor	Demolition Phase	
23	Reserved.					
24	Well Water					
25	Well No 1	U9	Isolate discharge; pull and salvage pump, motor, pump column and shaft; and, secure the top of the well casing with a lockable cover.	Unit 9 Separation Contractor	Prior to Demolition	Well to be protected-in-place.
26	Well No 1	U9	Demolish pipe and electrical outside of U9	Demo Contractor	Demolition Phase	
27	Reserved.					
28	Well No 2	Between cooling towers 3 and 4	Isolate discharge; pull and salvage pump, motor, pump column and shaft; and, secure the top of the well casing with a lockable cover.	Unit 9 Separation Contractor	Prior to Demolition	Well to be protected-in-place.
29	Well No 2	Between cooling towers 3 and 4	Install sanitary seal down 20ft and protect the well in place. Demolish pipe and electrical.	Demo Contractor	Demolition Phase	

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
30	Reserved.					
31	Groundwater Monitoring Wells					
32	MW-1, 2, 3, 9, 10	In demo area	Remove well pipe to minus 10 feet and plug with slurry from minus 10 feet to 50 feet down and abandon or drill out wells. Final work scope pending EPA clarification.	Demo Contractor	Demolition Phase	4" PVC wells. EPA owns wells.
33	Reserved.					
34	MW- 11, 12	Just outside demo area	no action			
35	Process Sewer					
35A	Blow-off Box tie-ins	MH in U9 area just west of stack	Seal all incoming lines and outgoing lines with the except of the 16" VCP outgoing line to the wet well.	Unit 9 Separation Contractor	Prior to Demolition	Box invert about 437'
36	U9 tie-in Relocation	Blow-off box	Relocate gravity drain line and oily-water discharge line to blow-off box.	Unit 9 Separation Contractor	Prior to Demolition	New U9 process waste water discharge point.
37	Steam plant building process wastewater drain line	Steam plant building	Slurry sumps and drain line.	Demo Contractor	Demolition Phase	
37A	Outfall Junction Box	Junction Box between and south of U1 & U2 cooling tower	Temporarily seal/plug all incoming and outgoing lines at the junction box.	Unit 9 Separation Contractor	Prior to Demolition	Box invert about 437'

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
38	Reserved.					
39	Process sewer diversion	South side of plant	Cut and cap both end of this line before it goes underground just east of the junction box along the south fence	Unit 9 Separation Contractor	Prior to Demolition	Aboveground line to be abandoned in place.
40	Process sewer diversion (Alternative 8 only)	South side of plant	BOS EPC will tie to this line and route the diverted process sewer water to the diversion tank at the new cooling tower	BOS EPC	Construction Phase	New run to tie-in point.
41	Sanitary Sewer					
42	NW MH disconnection	NW of Unit 3 cooling tower	MH (not visible) and cleanout (visible) to stay in service; disconnect 6" CI line and temporarily seal line coming from northwest side of steam plant building.	Demo Contractor	Demolition Phase	Note that the 6" CI line invert that we connect to going into the MH is invert 456.8' MH cover has been covered with asphalt. Adjacent cleanout is connect to MH which connects to sewer main in Fairmont Ave.
43	NW MH	NW of Unit 3 cooling tower	Tie new plant sanitary sewer to 6" CI	BOS EPC	Construction Phase	
44	SW Line from Building Disconnection	Between U2 CT and U8A	Disconnect and plug/cap 6" VCP line going from Fairmont to the plant building	Demo Contractor	Demolition Phase	Invert elevation of pipe is approximately 448'. Lateral connection to 18" line, i.e. no MH.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
45	18" VCP	Along the west side of facility	None	NA	NA	18" VCP that runs from NW MH to SW lateral is abandoned. 18 inch line invert is 431.0'.
46	NE Sewer MH	NW of former U7				MH has been removed as well as 4" CI east-west line. 4" CI north-south line has been capped and remains.
47	Stormwater					
48	U5 cooling tower drain	Off SW corner of U5 cooling tower	Catch basin stays in place. Disconnect U5 drain line to catch basin. Disconnect U3/4 cooling tower 16" CI drain (invert about 450') downstream of catch basin.	Demo Contractor	Demolition Phase	CB invert about 451'
49	U5 cooling tower drain	Off SW corner of U5 cooling tower	Permanently seal the U3/4 drain.	Demo Contractor	Demolition Phase	
50	Reserved.					
51	Recycled Water					
51A	Recycled water system	Meter	Shutoff service at the meter and depressurize, and drain if possible, customer side piping.	GWP	Prior to Demolition	Meter is located south side of Verdugo Wash. Potentially no drain on main header.
52	Recycled water system	Various locations	Demolition all recycled water piping to the demolition limit.	Demo Contractor	Demolition Phase	Underground piping is cement mortar lined and coated steel pipe.
53	Reserved.					

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
54	Reserved.					
55	Water Treatment					
56	Temporary U9 water treatment system	East of U9 Cooling tower	Install temporary system.	Unit 9 Separation Contractor	Prior to Demolition	
57	Reserved.					
58	Controls					
59	U9 Controls	Boiler Building	Move to temporary control room	Unit 9 Separation Contractor	Prior to Demolition	
60	U9 protection cables going to Kellogg GIS	East Road & Trench to Kellogg	Relocate circuits out of trench	Unit 9 Separation Contractor	Prior to Demolition	2-3 inch conduits and protection cables to Kellogg GIS
61	U9 Controls	Permanent new control room	Bring Unit 9 controls into the permanent new control room	BOS EPC	Construction Phase	
62	Fencing					
63	U9 GSU	North side of U9 GSU	Add permanent fence & grounding	Unit 9 Separation Contractor	Prior to Demolition	
64	69 kV Electrical					
65	U8ABC feed to Kellogg	Demo to Vault 2266 and Kellogg on the NE side of Grayson; just outside of demo area	Open respective breakers at Kellogg and remove terminations there and/or cut cables in vault 2266 for removal by others.	GWP (Electric)	Prior to Demolition	Switching procedure and work order shall be ready for this work. GWP shall release them for action the moment we know the project is to proceed.

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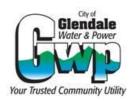
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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
66	U8ABC feed to Kellogg	Demo to Vault 2266 and Kellogg on the NE side of Grayson; just outside of demo area	Remove abandoned cables.	Demo Contractor	Demolition Phase	
67	Vault 2033 northwards and southwards	Duct bank is in east road	The demolition should be able to stay clear of this ductbank	NA	NA	Vault and ductbank are for the U9 69kV cables
68	Glendale Rack to Kellogg	South of Kellogg	Open respective breakers at Kellogg, disconnect and cut terminations in Kellogg	GWP (Electric)	Prior to Demolition	Switching procedure and work order shall be ready for this work. GWP shall release them for action the moment we know the project is to proceed. Will be under the same work package as the Unit 8A/8BC. work
69	Glendale Rack to Kellogg	South of Kellogg	Pull 69 kV cables out of the conduits	Demo Contractor	Demolition Phase	Demolition contractor to remove conduits to demolition boundary and seal conduits

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
70	Capacitor foundations on top of 69 kV line	Between MH 861 and 862 east of Glendale Switchrack	Demo foundations above line; protect line in place	Demo Contractor	Demolition Phase	Drawings show a 15 inch clearance between the 69 kV ductbank and bottom of the foundations; drawings maybe showing inaccurate information i.e. foundations may not be on top of ductbanks.
71	Vault 2077 southwards	Duct bank is in east road	Duct bank is outside the demo area	NA	NA	
71A	Utilities in East Road	East Road	Relocate utilities away from the proposed new switchyard	BOS EPC	Construction Phase	Only if required
72	34.5 kV Electrical					
73	Existing Glendale Rack	Includes Feeds to/from the Glendale Switchrack	All 34.5 kV is secured by GWP.	GWP	Prior to Demolition	We will set aside time ahead of demo to salvage equipment once the rack is de-energized. GWP will leave the demo contractor everything we don't want. 34.5 reroutes done 5/1/17 Relay protection signals only go to control room

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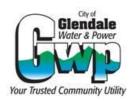
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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
74	Existing Glendale Rack		Demo	Demo Contractor	Demolition Phase	3-6 separate empty 5/6 inch conduits leave the Glendale Switchrack to the east. Demolition contractor to remove conduits to demolition boundary install locating rings supplied by GWP and seal conduits
75	Two 34.5 to 69 kV Transformers and One 12 kV Transformer		GWP to disconnect for salvage	GWP (Electrical)	Prior to Demolition	Disconnect
75A	One 12 kV Transformer	Glendale Rack	Remove conduit(s) to demolition boundary and install locating ring(s) supplied by GWP and seal conduits.	Demo Contractor	Demolition Phase	
75A	Two 34.5 to 69 kV Transformers One 12 kV Transformer	Glendale Rack	Relocate the 3 transformers and gear	Demo Contractor	Demolition Phase	Relocate to NE UOC
76	All Demoed CBs & Transformers		Demo Contractor to remove and dispose of all transformers, CBs & oils	Demo Contractor	Demolition Phase	
77	Low Voltage Electrical Including 4kV & 480 V					
77A	Stored transformers	Around the Glendale Rack	Relocate out of demo and laydown areas.	GWP (Electric)	Prior to Demolition	

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
78	Landfill gas metering station	Near meter station at SE corner of plant	De-energize and cut all cables including power at the station for demolition by others.	GWP (Power Plant)	Prior to Demolition	There are air, comm., and electrical lines that go out to the LFG metering station. Signal wires go back to "Common Cabinet" at power plant firing aisle. There is also an independent phone line with number for a modem at LFG gas chromatograph.
78A	Landfill gas	SE corner of steam plant building	Demo contractor will pullout low voltage electrical, comm. and control cables and demolish conduit up to the demo boundary	Demo Contractor	Demolition Phase	
79	(Public Works) Electrical Panel for sewer meter in Fairmont	NW corner of U2 cooling tower	Relocate meter box out of the demolition area or abandon it for demolition by others.	GWP (Public Works)	Prior to Demolition	

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
79a	West Street Lights on and adjacent to perimeter wall	West boundary	No action.	NA	NA	Lights feed from the NW, near the Fairmont Security Gate. Two pull boxes near the edge of the demo area are easily accessible. Refer to the UOC Walls, Fences, Gates, and Security project plans; asbuilt of this system not available.
80	West Street Lights on plant perimeter i.e. cobra heads	West boundary	On the west road (not Fairmont Ave) shall be de-energized and disconnected by GWP.	GWP (Electric)	Prior to Demolition	Separate feed for cobra head site lights. Point of disconnect shall be the PB west of the car wash station.
80a	West Street Lights on plant perimeter i.e. cobra heads	West boundary	Demolish lighting on east side of West Road	Demo Contractor	Demolition Phase	
81	South Street Lights on plant perimeter	South boundary	Feed from pedestal near bridge over the wash.	NA	NA	
82	Streetlights inside the plant including all on the East Road	Streetlights throughout the plant	None	NA	NA	Once the plant is dead, the connection to the source in the plant can be removed. A connection to the distribution system to the north or south does not show up in records.
83	East Road Temporary		Demo Contractor shall supply	Demo	Demolition Phase	
84	Lighting Reserved.		temporary lighting on East Road	Contractor	riiase	

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85	SE plant corner line #2 – going to gas company enclosure	Around U9	Confirm line is de-energized.	GWP (Power Plant)	Prior to Demolition	Assume line was for powering the enclosure. Now it's powered by the pad mount located at the south east corner of facility.
86	SE plant corner line #3 – going to the phosphate removal plant (PRP)	South side of boiler building to SE corner of plant	Confirm line is de-energized.	GWP (Power Plant)	Prior to Demolition	Assume power and comm. going to the now removed PRP. PRP has been removed.
87	Feed for existing engineering trailers	Just north of steam plant building	Electrical feed will be disconnected and removed or abandoned for demo contractor to remove when the trailers are to be moved or demolished.	GWP (Electric) for the north trailer only.	Prior to Demolition	The north trailer is feed/powered from the superintendents building. The south trailer is powered from the steam plant building and feed from the outdoor transformer located just west of the No.2 control room. Trailers maybe used by the Unit 9 Separation and Demo contractors. The south trailer will lose power once the steam plant building is deenergized.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
88	Temporary 480V service for Unit 9 and Demo Contractor (feed)	Southeast corner of plant near Unit 9	String 4kV (primary) across the Verdugo Wash using existing poles; supply and install a padmount 4kV:480V transformer on a pad supplied and installed by others; and, wire primary to transformer and feed secondary into metering section.	GWP (Electric)	Prior to Demolition	Service provided from the GWP electrical distribution system.
88A	Temporary 480V service for Unit 9 (distribution)	Unit 9	Supply and install precast pads for transformer and gear; supply and install outdoor-rated gear and terminate secondary feed in metering section; and, distribute 480V service to temporary U9 loads.	Unit 9 Separation Contractor	Prior to Demolition	Secondary feed termination in metering section to be approved by GWP. Switchboard shall have spare breakers for Demo Contractor use.
88B	Temporary Construction Power	Northwest of U9 GSU transformer	Retain a 1500 kVA 12kV to 480V pad-mount transformer for use later as temporary construction power.	GWP (Electric)	Prior to Demolition	
88C	Temporary Construction Power	Northwest of U9 GSU transformer	Supply and install pad-mount 12kV:480V transformer and connect to existing primary circuit.	GWP (Electric)	Construction Phase	
88D	Temporary Construction Power	Northwest of U9 GSU transformer	Supply and install transformer and gear pads, meter switchboard, and circuit between transformer and gear.	BOS EPC	Construction Phase	Circuit between transformer and meter switchboard to be approved by GWP.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
89	Scale	Adjacent to Kellogg GIS	Transfer power source if needed to maintain scale functional.	GWP (Electric)	Prior to Demolition	
90	Well #1 and #2 feed	U9 and between U3/4 cooling tower	Disconnect at motor for removal of motor/pump by others.	GWP (Power Plant)	Prior to Demolition	#1 well is 480V; #2 well is 4kV
91	Electric vault	NE CT 5	Vault is outside the demo area; protect in place	NA	NA	
92	Security					

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
93	Perimeter Cams	Around the facility	Remove and turnover to GWP to salvage three (3) cameras located on top of the steam plant building. Run a new circuit along the east perimeter wall and outside the demo area from the Glendale Rack southeast junction box to the comm. building and/or another junction box near the comm. Building. Run a new circuit to the temporary control room and connect. Disconnect for demo by others all circuits going into the steam plant building via the trenches.	Unit 9 Separation Contractor	Prior to Demolition	62.5-micron multimode fiber optic cable with only one strand terminated for joystick control of cameras which is no longer used. Software is now used to control the cameras. Said cable can be disconnected for demolition. Single-mode fiber optic cable from comm. building to steam plant building used to pick up existing cameras that are on top of the steam plant building. Cable can be disconnected for demolition. The new fiber run from the comm. building to the temporary control room for City network (e.g. workstations, VOIP phones, etc.) can also be used to tie into the security camera system.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
94	Temporary Security Cameras Across the Wash	South side of Verdugo Wash	Supply and install conduit and cable across the Verdugo Wash; connect to existing CCTV system; and, install to up to two of the salvaged cameras across the Wash.	Unit 9 Separation Contractor	Prior to Demolition	Temporary setup to monitor the area until project completion.
95	Reserved.					
96	East Wall Mounted Box	SE end of Glendale Switchrack on wall	Protect in place.	NA	NA	Box is used for a fiber splice and for the site security cameras.
97	Communications					
98	City ISD workstations/equipment for temporary control room trailer	Temporary control room and maintenance office trailers SE of plant area (i.e. just east of Unit 9)	City ISD relocates existing equipment or supplies and installs new and hooks up	GWP (City ISD)	Prior to Demolition	Minimum of three (3) workstations needed in each trailer. Workstation includes City phones and computers. A new color printer will be required in each trailer. Parallel operation not required.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
98a	City ISD workstations and equipment in existing steam plant building and workshops	Server room located on the 2 nd floor, control rooms, various offices, and workshops	Salvage equipment as needed and disconnect cabling for demolition by others.	GWP (City ISD)	Prior to Demolition	
99	Plant and UOC emergency sirens	Control Room 1	Field identify circuit and relocate service into temporary control room	Unit 9 Separation Contractor	Prior to Demolition	
100	Existing engineering trailers	Just north of steam plant building	Service to be disconnected and secured when the trailers are to be turned over to contractors, demolished or get moved.	GWP (City ISD)	Prior to Demolition	Trailers are being fed from the north through a vault. Two cables come from the superintendents building. Trailers maybe used by the U9 Separation and Demo Contractors as temporary offices.
101	AT&T East feed	Coming through east wall going to a vault to north side of the Grayson campus	GWP to notify AT&T. AT&T to disconnect service, as needed, outside of the demolition area for demolition of any abandoned cable within the demo area.	GWP (AT&T)	Prior to Demolition	Seems to be an AT&T system that runs to the vault in the Glendale Switchrack and then runs north-south and eastwest.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
102	Charter Feed	Running east- west on the site	GWP to notify Charter. Charter to disconnect service, as needed, outside of the demolition area for demolition of any abandoned cable within the demo area.	GWP (Charter)	Prior to Demolition	
103	Gas Company comm. line between the MSAs		Protect in place.			SoCalGas communication line between the two MSAs is in the East Road.
104	City network	Temporary control room and maintenance office trailers	Supply and install conduit and fiber optic cable between the trailers and comm. building; supply and install necessary patch panels; and, terminate and test terminations.	Unit 9 Separation Contractor	Prior to Demolition	
105	Internal Grayson phone lines to Unit 9		Field locate tie to system and install necessary cable/conduit to relocate up to two single-line phones into the temporary control room.	Unit 9 Separation Contractor	Prior to Demolition	There are at least 5 phones located around U9 that are used internally (no outside connection) that tie to control room
106	GWP SCADA (twisted pair) to the power plant	Old Kellogg control house	Disconnect and pull out for others to demolition.	GWP (Electric)	Prior to Demolition	18-pair copper cable. GWP confirmed cable is no longer used for SCADA.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
106a	GWP SCADA	Temporary control room	Supply and install conduit, fiber optic cable, patch panel(s), terminate, and test terminations from Kellogg GIS control house to temporary control room.	Unit 9 Separation Contractor	Prior to Demolition	
106b	GWP SCADA (fiber optic)	Grayson steam plant building	Pull back fiber and reroute avoiding vault 300 and trenches that are planned for demo, then re-terminate the Grayson node in comm. building or splice the cables together in the field.	GWP (Electric)	Prior to Demolition	Two (2) 144-strand fiber optic cables. One other GWP SCADA cable (48 strand) to be relocated out of the demo area.
106c	City ISD network for workstations, printers, scanners, copiers, and VOIP phones	Grayson steam plant building	Disconnect and pull out from comm. building for demolition by others.	GWP (City ISD)	Prior to Demolition	50-micron multi-mode fiber. City ISD cable from comm. building to Grayson steam plant building won't be needed once the network node in Grayson is no longer needed.

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
106d	Existing landline for single- line phones, modems, and fax	Grayson steam plant building	Disconnect at comm. building and pullout and abandon into trenches for demo/removal by others.	GWP (City ISD)	Prior to Demolition	200 pair copper cable. Cable goes from the comm. building to Grayson then to the various in-field locations such as the Unit 9 PACE.
107	New landline for single-line phones, modems, and fax	Temporary control room	Supply and install new infrastructure for hookup by others.	Unit 9 Separation Contractor	Prior to Demolition	
108	Comm. Vault	At northeast corner, just outside of the demo area	no conduits are in demo area	N/A	N/A	
109	Net Metering System	Control Room No.	Relocate Net Metering system from the control room into the temporary control room.	Unit 9 Separation Contractor	Prior to Demolition	See Net Metering diagram.
110	Grounding					

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
111	U9 disconnection	U9 Ground Grid	Install two new ground rods. Disconnect from grounding system that is to be demolished. Ground testing at Unit 9 shall be required for temporary ground condition after the demo of the Glendale Rack. Any additional grounding shall be based on the testing.	Unit 9 Separation Contractor	Prior to Demolition	Per the U9 drawing, the U9 ground grid connects to the main plant gird near the north side of the GSU and at the west side of U9.
111a	Reserved.					
111b	Kellogg Disconnection	Kellogg Ground Grid	Ground testing at Kellogg Substation shall be required for ground condition after the demo of the Glendale Rack. Any additional grounding shall be based on the testing.	Unit 9 Separation Contractor	Prior to Demolition	
112	U9 & Kellogg connection		BOS EPC shall connect new plant grid to Kellogg and U9	BOS EPC	Construction Phase	

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Line	Service	Location	Work Scope	Responsibility	Schedule	Comments
113	Garage & Supt. Buildings	North of Demo Area	None – services are outside of the demo area.	NA	NA	Sewer and water are outside the demo/const. area. Neither building uses natural gas. Electric feeds are coming from customer pad 1373D and primary pull box 2219. Neither is in the demo area, nor has conduit paths that cross into the demo area. For comm see line item #101 and #102.
114	Water Electronics					
115	Water AMI	Top of Power Plant Building	Relocate AMI	GWP (Business System Support)	Prior to Demolition	Notify GWP BSS to relocate node.

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